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AMERICAN CHEMICAL JOURNAL

EDITED BY

IRA REMSEN

PRESIDENT OF THE JOHNS HOPKINS UNIVERSITY

VOL. XXXIII.—JANUARY–JUNE, 1905.

BALTIMORE: THE EDITOR.

ESCHENBACH PRINTING COMPANY, PRINTERS,
EASTON, PA.

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4 III.

$C_4HO_3N_3Br_2$. Dibromnitropyrazol (?). *Hill* and *Black*..... 300
$C_4H_2O_3N_3Cl$. 4-Nitro-5-chlorpyrazol. *Hill* and *Black*..... 297
$C_4H_2O_3N_3Ag$. Argentic 4-nitro-5-pyrazolone. *Hill* and *Black* .. 296
$C_4H_2O_3N_3Na$. Sodic 4-nitro-5-pyrazolone. *Hill* and *Black*..... 294

C_4-GROUP.

$C_4H_6O_4$. Succinic acid. *Kastle*..... 49
$C_4H_6O_5$. Malic acid. *Kastle*..... 49
$C_4H_6O_6$. Tartaric acid. *Kastle*..... 49
$C_4H_8O_2$. Butyric acid. *Kastle*..... 48

3 IV.

$C_4H_3O_4N_3$. Nitrouracil. *Wheeler* and *Bristol*..... 441
$C_4H_5O_2N_3$. Aminouracil. *Wheeler* and *Bristol*..... 442
$C_4H_{12}IAs$. Tetramethyl arsonium iodide. *Dehn*..... 129

4 IV.

$C_4HN_2Cl_2Br$. 2,6-Dichlor-5-brompyrimidine. *Wheeler* and *Bristol*..... 443
$C_4H_4ON_2S$. 2-Thio-6-oxypyrimidine. *Wheeler* and *Bristol*..... 443
$C_4H_4ON_2S$. 2-Thiouracil. *Wheeler* and *Bristol*..... 458
$C_4H_{10}N_2BrS$. Pseudonormalpropylthiourea hydrobromide. *Wheeler* and *Bristol*..... 440

C_5-GROUP.

$C_5H_7N_2Cl$. 2-Ethylmercapto-6-chlorpyrimidine. *Wheeler* and *Bristol*..... 443
$C_5H_7N_3S$. 2-Methylmercapto-6-aminopyrimidine. *Wheeler* and *Bristol*..... 447
$C_5H_{14}IAs$. Ethyl trimethyl arsonium iodide. *Dehn*..... 145

4 V.

$C_5H_5N_2ClS$. 2-Methylmercapto-6-chlorpyrimidine. *Wheeler* and *Bristol*..... 447
$C_5H_8ON_2S$. 2-Ethylmercapto-6-oxypyrimidine. *Wheeler* and *Bristol*..... 442
$C_8H_{13}N_2BrS$. Pseudoisobutylthiourea hydrobromide. *Wheeler* and *Bristol*..... 440

5 V.

$C_5H_7O_2N_2ClS$. 2-Methylmercapto-6-oxypyrimidine hydrochloride. *Wheeler* and *Bristol*..... 447

C_6-GROUP.

C_6H_6. Benzene. *Bacon*..... 71

2 VI.

$C_6H_4O_3$. Dehydromucic acid. *Hill* and *Russe*..... 374
$C_6H_6O_5$. β-Dihydrofurfuran-α,α'-dicarboxylic acid. *Hill* and *Russe*..... 372
C_6H_7As. Phenyl arsine. *Dehn*..... 147
$C_6H_8O_7$. Citric acid. *Kastle*..... 50
$C_6H_{10}O_4$. Ethyl oxalate. *Acree*..... 190
$C_6H_{15}N$. Methylisoamylamine. *Clarke*..... 498

3 VI.

$C_6H_4O_5Ag_2$. Argentic γ-dihydrofurfuran-α,α'-dicarboxylate. *Hill* and *Russe*..... 385
$C_6H_4O_5Ba$. Barium salts of dextro and laevo β-dihydrofurfuran-α,α'-dicarboxylic acid. *Hill* and *Russe*..... 379, 380
$C_6H_4O_5Ba$. Baric γ-dihydrofurfuran-α,α'-dicarboxylate. *Hill* and *Russe*..... 384
$C_6H_4O_5Pb$. Lead salts of dextro and laevo β-dihydrofurfuran-α,α'-dicarboxylic acid. *Hill* and *Russe*..... 380
$C_6H_4NBr_3$. Tribromaniline. *Orndorff* and *Teeple*..... 238
C_6H_5OAs. Arsenobenzene. *Dehn*..... 149
$C_6H_5O_5K$. Acid potassic γ-dihydrofurfuran-α,α'-dicarboxylate *Hill* and *Russe*..... 385
C_6H_5BrMg. Phenylmagnesium bromide. *Kohler* and *Heritage*..... 25, 30, 154
C_6H_5BrMg. Phenylmagnesium bromide. *Kohler* and *Johnstin*.. 39
C_6H_5BrMg. Phenylmagnesium bromide. *Kohler* and *Reimer*.. 339
$C_6H_6O_3S$. Benzene sulphonic acid. *Kastle*..... 48

$C_6H_7O_3As$. Phenyl arsonic acid. *Dehn*..... 149
$C_6H_8O_2N_2$. 4-Ethyluracil. *Wheeler* and *Bristol*..... 446
$C_6H_{15}Br_2As$. Triethyl arsine dibromide. *Dehn*..... 136
$C_6H_{15}SAs$. Triethyl arsine sulphide. *Dehn*..... 135

4 VI.

$C_6H_4O_6N_6Ba$. Baric 4-nitro-5-pyrazolone. *Hill* and *Black*..... 296
$C_6H_4O_6N_6Pb$. Plumbic 4-nitro-5-pyrazolone. *Hill* and *Black*... 297
$C_6H_5O_3Ag_2As$. Silver phenyl arsonate. *Dehn*..... 137
$C_6H_5O_3AsMg$. Magnesium phenyl arsenate. *Dehn*..... 137
$C_7H_7O_2N_2Br$. 4-Ethyl-5-bromuracil. *Wheeler* and *Bristol* 446
$C_6H_7N_2BrS_2$. 2-Ethylmercapto-5-brom-6-thiopyrimidine. *Wheeler* and *Bristol*..... 455
$C_6H_{15}N_2BrS$. Pseudoiosamylthiourea hydrobromide. *Wheeler* and *Bristol*..... 441

C_7-GROUP.

C_7H_8. Toluene. *Bacon*..... 95

2 VII.

$C_7H_4O_7$. Meconic acid. *Kastle*..... 50
C_7H_8O. Benzyl alcohol. *Bacon*..... 95
C_7H_9N. Benzylamine. *Clarke*..... 499
$C_7H_{10}O_2$. α,α-Dimethyl-β-methylenebutyrolactone. *Noyes*..... 361
$C_7H_{12}O_2$. α,α,β-Trimethylbutyrolactone. *Noyes*..... 362
$C_7H_{12}O_4$. Trimethylsuccinic acid. *Noyes*..... 359
$C_7H_{12}O_6$. Diethyl mesoxalate. *Curtiss*..... 604
$C_7H_{17}N$. Dimethylisoamylamine. *Clarke*..... 498

3 VII.

$C_7H_4O_6N_2$. 2,4-Dinitrobenzoic acid. *Hill* and *Hale*..... 21
$C_7H_5O_2Na$. Sodium benzoate. *Bacon*..... 71
$C_7H_5O_4N$. p-Nitrobenzoic acid. *Hill* and *Hale*..... 15
C_7H_7ONa. Sodium benzylate. *Bacon*..... 96
$C_7H_7N_3S_2$. 2-Ethylmercapto-6-isothiocyanpyrimidine. *Wheeler* and *Bristol*..... 450
C_7H_7ClMg. Benzylmagnesium chloride. *Kohler* and *Reimer* ... 354
C_7H_7BrMg. o-Tolylmagnesium bromide. *Kohler* and *Heritage*. 159
$C_7H_9O_3N$. Ethyl cyanacetacetate. *Kohler* and *Reimer*..... 345
$C_7H_{10}N_4S_2$. 2-Ethylmercapto-6-thioureapyrimidine. *Wheeler* and *Bristol*..... 451
$C_7H_{11}O_3Ag$. Silver α,α-dimethyl-β-methylene-γ-hydroxybutyrate. *Noyes*..... 362

$C_7H_{13}O_3Ag$. Silver α,α,β-trimethyl-γ-hydroxybutyrate. *Noyes*. 362
$C_7H_{18}IAs$. Methyltriethyl arsonium iodide. *Dehn* 129

4 VII.

$C_7H_4O_4NAg$. Silver *p*-nitrobenzoate. *Hill* and *Hale* 16
$C_7H_6N_3BrS_2$. 2-Ethylmercapto-5-brom-6-isothiocyanpyrimidine. *Wheeler* and *Bristol*..... 453
$C_7H_7O_5NS$. *p*-Nitrotoluene sulphonic acid. *Kastle*..... 50
$C_7H_8O_6N_2Na$. Sodic nitromalonic diacetyldialdoxime. *Hill* and *Black*..... 294
$C_7H_9O_2NS$. *o*-Toluenesulphonamide. *Weedon* and *Doughty*..... 423
$C_7H_9N_4BrS_2$. 2-Ethyl mercapto-5-brom-6-thioureapyrimidine. *Wheeler* and *Bristol*..... 454
$C_7H_{10}ON_2S$. 2-Normalpropylmercapto-6-oxypyrimidine. *Wheeler* and *Bristol* 441

5 VII.

$C_7H_9ON_4BrS$. 2-Ethylmercapto-5-brom-6-ureapyrimidine. *Wheeler* and *Bristol*..... 457

C_8-GROUP.

C_8H_8O. Acetophenone. *Kohler* and *Reimer*..... 351
$C_8H_8O_2$. *m*-Toluic acid. *Acree*..... 194
$C_8H_{11}N$. Ethyl aniline. *Bacon* 84
$C_8H_{10}O_4$. Trimethylparaconic acid. *Noyes* 356
$C_8H_{13}N$. Haemopyrrol. *Orndorff* and *Teeple*..... 232
$C_8H_{14}O_4$. Ethyl succinate. *Acree*..... 191

3 VIII.

C_8H_5BrMg. Phenylacetylenemagnesium bromide. *Kohler* and *Reimer*..... 356
$C_8H_7O_4N$. Methyl ester of *p*-nitrobenzoic acid. *Hill* and *Hale*.. 16
$C_8H_7O_6N$. 5-Nitrosalicylic acid methyl ether. *Hill* and *Hale*... 15
$C_8H_{11}O_3Cl$. Trimethylparaconyl chloride. *Noyes*..... 359
$C_8H_{11}O_3Br$. Trimethylparaconyl bromide. *Noyes*..... 360
$C_8H_{12}O_6Ba$. Barium trimethylitamalate. *Noyes* 360
$C_8H_{12}N_4S_2$. 2-Ethylmercapto-5-methyl-6-thioureapyrimidine. *Wheeler* and *Bristol*..... 452
$C_8H_{13}O_4N$. Trimethylparaconamide. *Noyes* 360
$C_8H_{20}IAs$. Tetraethyl arsonium iodide. *Dehn*..... 145

4 VIII.

$C_8H_2O_3N_2Cl_4$. Secondary hydrazide of tetrachlorphthalic acid. *Phelps*..... 589

$C_8H_6O_2N_4Cl_4$. Primary hydrazide of tetrachlorphthalic acid. *Phelps* 588
$C_8H_{10}O_2N_6Cl_4$. Primary hydrazide of tetrachlorphthalic acid, plus hydrazine. *Phelps* 587
$C_8H_{12}ON_2S$. 2-Ethylmercapto-4-ethyl-6-oxypyrimidine. *Wheeler* and *Bristol* 445
$C_8H_{12}ON_2S$. 2-Isobutylmercapto-6-oxypyrimidine. *Wheeler* and *Bristol* 441

5 VIII.

$C_8HO_2N_2Cl_4Ag$. Silver salt of the secondary hydrazide of tetrachlorphthalic acid. *Phelps* 590
$C_8HO_2N_2Cl_4K$. Potassium salt of the secondary hydrazide of tetrachlorphthalic acid. *Phelps* 589
$C_8HO_2N_2Cl_4Na$. Sodium salt of the secondary hydrazide of tetrachlorphthalic acid. *Phelps* 589
$C_8H_{11}ON_2BrS$. 2-Ethylmercapto-4-ethyl-5-brom-6-oxypyrimidine. *Wheeler* and *Bristol* 446

C_9-GROUP.

$C_9H_8O_2$. Cinnamic acid. *Kohler* and *Heritage* 30
$C_9H_{10}O$. Benzylmethyl ketone. *Hill* and *Hale* 7
$C_9H_{10}O_2$. Benzyl acetate. *Bacon* 94
$C_9H_{10}O_2$. Hydrocinnamic acid. *Bacon* 94
$C_9H_{13}N$. Dimethylbenzylamine. *Clarke* 499
$C_9H_{13}N$. Dimethyl-*o*-toluidine. *Clarke* 498
$C_9H_{13}N$. Dimethyl-*p*-toluidine. *Clarke* 498

3 IX.

C_9H_7OCl. Cinnamyl chloride. *Kohler* and *Heritage* 30
$C_9H_{10}O_2N_2$. Addition product of phenyl isocyanate with formhydroxamic acid methyl ester. *Biddle* 65
$C_9H_{11}O_2N$. Ethyl benzhydroxamic acid. *Biddle* 62
$C_9H_{11}O_3N$. Tyrosine. *Wheeler* and *Jamieson* 368
$C_9H_{14}IAs$. Phenyl trimethyl arsonium iodide. *Dehn* 152

4 IX.

$C_9H_9O_3NI_2$. Diiodtyrosine. *Wheeler* and *Jamieson* 368
$C_9H_9O_7NS$. Acid ethyl-*p*-nitrosulphobenzoate. *Kastle* 51
$C_9H_{12}ON_2S_2$. 2-Ethylmercapto-6-thionethylurethanepyrimidine. *Wheeler* and *Bristol* 451

5 IX.

$C_9H_7O_3NI_2Ag_2$. Silver diiodtyrosine. *Wheeler* and *Jamieson*.... 371
$C_9H_{10}O_3NCII_2$. Diiodtyrosine hydrochloride. *Wheeler* and *Jamieson*..... 370
$C_9H_{11}O_7NI_2S$. Diiodtyrosine sulphate. *Wheeler* and *Jamieson*.. 370
$C_9H_{12}ON_2BrS_2$. 2-Ethylmercapto-5-brom-6-thionethylurethane-pyrimidine. *Wheeler* and *Bristol*..... 454
$C_9H_{13}ON_4BrS$. 2-Ethyl mercapto-5-brom-6-pseudoethylurea-pyrimidine. *Wheeler* and *Bristol*..... 456

C_{10}-GROUP.

$C_{10}H_{10}O$. Benzalacetone. *Kohler* and *Heritage*..... 30
$C_{10}H_{10}O_2$. Methyl cinnamate. *Kohler* and *Heritage*..... 25
$C_{10}H_{12}O_2$. β-Phenylbutyric acid. *Kohler* and *Reimer*..... 353
$C_{10}H_{14}O_2$. Ethyl *m*-toluate. *Acree*..... 194
$C_{10}H_{14}O_3$. Acetyl trimethylitamalic anhydride. *Noyes*..... 364

3 X.

$C_{10}H_7O_2N$. α-Cyancinnamic acid. *Kohler* and *Reimer*..... 333
$C_{10}H_7BrMg$. α-Naphthylmagnesium bromide. *Kohler* and *Heritage*..... 160
$C_{10}H_7BrMg$. α-Naphthylmagnesium bromide. *Kohler* and *Johnstin*..... 44
$C_{10}H_7BrMg$. α-Naphthylmagnesium bromide. *Kohler* and *Reimer*..... 349
$C_{10}H_6O_2N_2$. 5-Phenyluracil. *Wheeler* and *Bristol*..... 460
$C_{10}H_8O_9N_8$. 5-Aminouracil picrate. *Wheeler* and *Bristol*..... 442
$C_{10}H_{10}ON_2$. 2-Oxy-6-anilinopyrimidine. *Wheeler* and *Bristol*... 459
$C_{10}H_{11}ON$. Ethylacetanilide. *Bacon*..... 84
$C_{10}H_{13}ON$. β-Phenylbutyramide. *Kohler* and *Reimer*..... 353
$C_{10}H_{13}O_2N$. Ethylbenzhydroxamic acid methyl ester. *Biddle*.. 63

4 X.

$C_{10}H_7N_2ClBr$. 2-Anilino-5-brom-6-chlorpyrimidine. *Wheeler* and *Bristol*..... 444
$C_{10}H_8ON_2Br$. 2-Anilino-5-brom-6-oxypyrimidine. *Wheeler* and *Bristol*..... 444
$C_{10}H_{12}ON_2S_2$. 2-Ethylmercapto-5-methyl-6-thionurethanepyrimidine. *Wheeler* and *Bristol*..... 452

C_{11}-GROUP.

$C_{11}H_{12}O_2$. Ethyl cinnamate. *Kohler* and *Heritage*..... 28

$C_{11}H_{12}O_3$. Benzyl acetoacetate. *Bacon*..... 79
$C_{11}H_{14}O$. Dimethylstyril carbinol. *Kohler* and *Heritage*..... 28
$C_{11}H_{14}O_2$. Benzyl isobutyrate. *Bacon*..... 96
$C_{11}H_{17}O_4$. Ethyl trimethylhydroxyadipate lactone. *Noyes*..... 361

3 XI.

$C_{11}H_{19}O_2Br$. Ethyl α-bromcinnamate. *Kohler* and *Johnstin*... 38
$C_{11}H_{12}O_2Br_2$. Dibromphenylpropionic ester. *Kohler* and *Johnstin*..... 43
$C_{11}H_{13}O_2N$. α-Cyan-β-phenylbutyric acid. *Kohler* and *Reimer*.. 352
$C_{11}H_{13}O_3N$. Methylphenylmethylmalonic monamide. *Kohler* and *Reimer*..... 352
$C_{11}H_{17}O_4N$. Ethyl dimethylcyansuccinate. *Noyes*..... 358

4 XI.

$C_{11}H_6O_4N_2Cl_4$. Ethyl carboxylate of the secondary hydrazide of tetrachlorphthalic acid. *Phelps*..... 590
$C_{11}H_{11}O_4NI_2$. Monoacetyldiiodtyrosine. *Wheeler* and *Jamieson*. 371

5 XI.

$C_{11}H_{16}ON_3BrS_2$. 2-Ethylmercapto-5-brom-6-iminothioethylcarbonatepyrimidine. *Wheeler* and *Bristol* 455

C_{12}-GROUP.

$C_{12}H_{10}$. Diphenyl. *Kohler* and *Johnstin* 43, 44, 45
$C_{12}H_{24}$. Hydrocarbon from petroleum. *Mabery*..... 264
$C_{12}H_{24}$. Hydrocarbon from petroleum. *Mabery* and *Palm*..... 254

2 XII.

$C_{12}H_8O_2$. 2-Phenylbenzoquinone. *Hill* and *Hale*..... 11
$C_{12}H_{10}O_4$. Quinhydrone. *Torrey* and *Hardenbergh*..... 168
$C_{12}H_{22}Cl$. Chloride of hydrocarbon from petroleum. *Mabery*.. 264

3 XII.

$C_{12}H_7O_7N_3$. 5,2′,4′,-Trinitro-2-oxydiphenyl. *Hill* and *Hale* 20
$C_{12}H_7O_7N_3$. 5,3,4′-Trinitro-2-oxydiphenyl. *Hill* and *Hale* 18, 19
$C_{12}H_8O_8N_2$. 5,3-Dinitro-2-oxydiphenyl. *Hill* and *Hale* 12
$C_{12}H_8O_8N_2$. 5,4′-Dinitro-2-oxy-diphenyl. *Hill* and *Hale*..... 19
$C_{12}H_9O_3N$. 5-Nitro-2-oxydiphenyl. *Hill* and *Hale*..... 8
$C_{12}H_9O_3N$. 1-Nitro-3-phenyl-4-keto-Δ2,5-dihydrobenzol. *Hill* and *Hale*..... 2
$C_{12}H_{11}O_2N$. Ethyl α-cyancinnamate. *Kohler* and *Reimer*..... 337

$C_{12}H_{11}O_3N$. Ethyl cyanbenzoylacetate. *Kohler* and *Reimer*.... 349
$C_{12}H_{12}ON_2$. 5,3-Diamido-2-oxydiphenyl. *Hill* and *Hale*..... 14
$C_{12}H_{11}ON$. 5-Amido-2-oxydiphenyl. *Hill* and *Hale*..... 11
$C_{12}H_{13}N_3S$. 2-Ethylmercapto-6-anilinopyrimidine. *Wheeler* and *Bristol*..... 459
$C_{12}H_{20}IAs$. Phenyl triethyl arsonium iodide. *Dehn*..... 151

4 XII.

$C_{12}H_6O_4N_2Cl_4$. Diacetyl derivative of the secondary hydrazide of tetrachlorphthalic acid. *Phelps*..... 589
$C_{12}H_7O_5N_2Na$. Sodium salt of 5,3-Dinitro-2-oxydiphenyl. *Hill* and *Hale*..... 13
$C_{12}H_8O_3NNa$. Sodium salt of 5-nitro-2-oxydiphenyl. *Hill* and *Hale*..... 9
$C_{12}H_{12}ON_2S$. 2-Ethylmercapto-5-phenyluracil. *Wheeler* and *Bristol*..... 460
$C_{12}H_{14}N_3ClS$. 2-Ethylmercapto-6-anilinopyrimidine hydrochloride. *Wheeler* and *Bristol*..... 458

C_{13}-GROUP.

$C_{13}H_{12}$. Diphenyl methane. *Bacon*..... 71, 77
$C_{13}H_{24}$. Hydrocarbon from petroleum. *Mabery*..... 271
$C_{13}H_{26}$. Hydrocarbon from petroleum. *Mabery*..... 264
$C_{13}H_{26}$. Hydrocarbon from petroleum. *Mabery* and *Palm*..... 255

2 XIII.

$C_{13}H_{10}O$. Benzophenone. *Bacon*..... 73, 74
$C_{13}H_{10}O$. Benzophenone. *Kohler* and *Heritage*..... 35
$C_{13}H_{10}O$. Benzophenone. *Kohler* and *Johnstin*..... 40, 42
$C_{13}H_{11}Br$. Bromdiphenylmethane. *Bacon*..... 75
$C_{13}H_{12}O$. Benzhydrol. *Bacon*..... 71
$C_{13}H_{12}S$. *o*-Tolylphenylsulphide. *Weedon* and *Doughty*..... 416
$C_{13}H_{25}Cl$. Chloride of hydrocarbon from petroleum. *Mabery*.. 265

3 XIII.

$C_{13}H_8OBr_2$. *p*-Dibrombenzophenone. *Bacon*..... 76
$C_{13}H_8OS$. Thioxanthone. *Weedon* and *Doughty*..... 394
$C_{13}H_8O_3S$. Benzophenonesulphone. *Weedon* and *Doughty*..... 407
$C_{13}H_9O_7N_3$. 5,2′,4′-Trinitro-2-oxydiphenyl methyl ether. *Hill* and *Hale*..... 20
$C_{13}H_9O_7N_3$. 5,3,4′-Trinitro-2-oxydiphenyl methyl ether. *Hill* and *Hale*..... 17
$C_{13}H_{10}O_2S$. *p*-Phenylsulphidebenzoic acid. *Weedon* and *Doughty* 424

$C_{13}H_{10}O_3S$. Phenylthiosalicylic acid. *Weedon* and *Doughty*..... 392
$C_{13}H_{10}O_3S$. Diphenylsulphoxideorthocarboxylic acid. *Weedon* and *Doughty*..... 395
$C_{13}H_{10}O_4S$. Diphenylsulphoneorthocarboxylic acid. *Weedon* and *Doughty*..... 386
$C_{13}H_{10}O_4S$. *p*-Phenylsulphonebenzoic acid. *Weedon* and *Doughty*..... 426
$C_{13}H_{10}O_5N_2$. 5,3-Dinitro-2-oxydiphenyl methyl ether. *Hill* and *Hale*..... 13
$C_{13}H_{10}O_6N_2$. 5,4'-Dinitro-2-oxydiphenyl methyl ether. *Hill* and *Hale*..... 18
$C_{13}H_{11}ONa$. Sodium benzhydrol. *Bacon*..... 71
$C_{13}H_{11}O_3N$. 5-Nitro-2-oxydiphenyl methyl ether. *Hill* and *Hale* 10
$C_{13}H_{12}O_3S$. *o*-Tolylphenylsulphone. *Weedon* and *Doughty*..... 418
$C_{13}H_{14}N_4S_2$. 2-Ethylmercapto-6-phenylthiourea pyrimidine. *Wheeler* and *Bristol*..... 451
$C_{13}H_{15}O_2N$. Ethyl *α*-cyan-*β*-phenylbutyrate. *Kohler* and *Reimer*..... 351

4 XIII.

$C_{13}H_9O_3ClS$. Diphenylsulphoneorthocarboxylic chloride. *Weedon* and *Doughty*..... 410
$C_{13}H_9O_3ClS$. *p*-Phenylsulphonebenzoic chloride. *Weedon* and *Doughty*..... 427
$C_{13}H_9O_6NS$. Mononitrodiphenylsulphoxideorthocarboxylic acid. *Weedon* and *Doughty*..... 400
$C_{13}H_{11}O_2NS$. Diphenylsulphoneorthocarboxylamide. *Weedon* and *Doughty*..... 411
$C_{13}H_{11}O_3NS$. *p*-Phenylsulphonebenzamide. *Weedon* and *Doughty*..... 428
$C_{13}H_{13}N_4BrS_2$. 2-Ethylmercapto-5-brom-6-phenylthioureapyrimidine. *Wheeler* and *Bristol*..... 454

C_{14}-GROUP.

$C_{14}H_{12}$. Stilbene. *Kohler* and *Johnstin*..... 43
$C_{14}H_{28}$. Hydrocarbon from petroleum. *Mabery*..... 265
$C_{14}H_{28}$. Hydrocarbon from petroleum. *Mabery* and *Palm*..... 255

2 XIV.

$C_{14}H_{10}O_4$. Dibenzoyl peroxide. *Bacon*..... 75
$C_{14}H_{12}O$. Desoxybenzoin. *Kohler* and *Reimer*..... 354
$C_{14}H_{12}O_2$. Benzhydrol formate. *Bacon*..... 88
$C_{14}H_{12}O_2$. Diphenyl acetic acid. *Bacon*..... 88

$C_{14}H_{12}Br_2$. Stilbene bromide. *Kohler* and *Johnstin*..... 42
$C_{14}H_{14}O$. Benzyl ether. *Bacon*..... 95
$C_{14}H_{15}N$. Dibenzylamine. *Clarke*..... 499
$C_{14}H_{18}O_2$. Amyl cinnamate. *Kohler* and *Heritage*..... 28
$C_{14}H_{27}Cl$. Chloride of hydrocarbon from petroleum. *Mabery*.. 267

3 XIV.

$C_{14}H_{11}O_3N$. Dibenzhydroxamic acid. *Biddle*..... 62
$C_{14}H_{12}O_4S$. Methyl diphenylsulphoneorthocarboxylate. *Weedon* and *Doughty*..... 413
$C_{14}H_{13}O_3N$. 5-Nitro-2-oxydiphenyl ethyl ether. *Hill* and *Hale*.. 10

4 XIV.

$C_{14}H_{16}O_6N_2Mg$. Ethyl magnesium cyanacetacetate. *Kohler* and *Reimer*..... 345

C_{15}-GROUP.

$C_{15}H_{30}$. Hydrocarbon from petroleum. *Mabery*..... 267
$C_{15}H_{30}$. Hydrocarbon from petroleum. *Mabery* and *Palm*..... 256

2 XV.

$C_{15}H_{11}N$. β-Phenylcinnamonitrile. *Kohler* and *Reimer*..... 344
$C_{15}H_{12}O$. Benzalacetophenone. *Kohler* and *Heritage*..... 31
$C_{15}H_{12}O$. Benzalacetophenone. *Kohler* and *Reimer*..... 351
$C_{15}H_{12}O$. Phenylhydrindone. *Kohler* and *Heritage*..... 34
$C_{15}H_{12}O_2$. β-Phenylcinnamic acid. *Kohler* and *Heritage*..... 34
$C_{15}H_{12}O_2$. β-Phenylcinnamic acid. *Kohler* and *Johnstin*..... 39
$C_{15}H_{13}N$. β,β-Diphenylpropionitrile. *Kohler* and *Reimer*..... 340
$C_{15}H_{14}O$. Dibenzyl ketone. *Hill* and *Hale*..... 8
$C_{15}H_{14}O_2$. Benzhydrol acetate. *Bacon*..... 77
$C_{15}H_{14}O_2$. β,β-Diphenylpropionic acid. *Bacon*..... 83
$C_{15}H_{14}O_2$. β,β-Diphenylpropionic acid. *Kohler* and *Heritage*.... 26, 30
$C_{15}H_{14}O_2$. β,β-Diphenylpropionic acid. *Kohler* and *Reimer* 341
$C_{15}H_{22}O_7$. Ethyl trimethylparaconylmalonate. *Noyes* 363
$C_{15}H_{29}Cl$. Chloride of hydrocarbon from petroleum. *Mabery*... 268

3 XV.

$C_{15}H_{11}OBr$. α-Brombenzalacetophenone. *Kohler* and *Johnstin*. 40
$C_{15}H_{12}OBr_2$. Benzalacetophenone bromide. *Kohler* and *Johnstin* 43
$C_{15}H_{13}O_2N$. Diphenylbrompropionic acid. *Kohler* and *Heritage* 34
$C_{15}H_{14}O_4S$. Ethyl diphenylsulphoneorthocarboxylate. *Weedon* and *Doughty*..... 413
$C_{15}H_{15}ON$. β,β-Diphenylpropionamide. *Kohler* and *Reimer*..... 341

C_{16}-GROUP.

$C_{16}H_{30}$. Hydrocarbon from petroleum. *Mabery*..... 272
$C_{16}H_{22}$. Hydrocarbon from petroleum. *Mabery* and *Palm*..... 257

2 XVI.

$C_{16}H_{11}O_2$. α-Cyan-β-phenylcinnamic acid. *Kohler* and *Reimer*.. 343
$C_{16}H_{14}N_4$. 2,6-Dianilinopyrimidine. *Wheeler* and *Bristol*..... 460
$C_{16}H_{16}O_2$. Benzyl hydrocinnamate. *Bacon*..... 93
$C_{16}H_{16}O_2$. Methyl β,β-diphenylpropionate. *Kohler* and *Heritage* 25
$C_{16}H_{18}O_2$. Diphenyl ethyl glycol. *Acree*..... 193
$C_{16}H_{22}O_7$. Trimethylparaconic anhydride. *Noyes* 364
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3 XVI.

$C_{16}H_{13}O_2N$. Cyandiphenylpropionic acid. *Kohler* and *Reimer*.. 340
$C_{16}H_{13}N_4Br$. 2,6-Dianilino-5-brompyrimidine. *Wheeler* and *Bristol*..... 444
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$C_{16}H_{15}O_2N$. β,β-Diphenylmethylmalonic monamide. *Kohler* and *Reimer*..... 342
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$C_{16}H_{17}ON$. β,γ-Diphenylbutyramide. *Kohler* and *Reimer*..... 355

4 XVI.

$C_{16}H_{24}N_2Cl_8Hg_5$. Mercury haemopyrrol mercuric chloride. *Orndorff* and *Teeple*..... 234

C_{17}-GROUP.

$C_{17}H_{30}$. Hydrocarbon from petroleum. *Mabery*..... 272
$C_{17}H_{34}$. Hydrocarbon from petroleum. *Mabery* and *Palm*..... 257

2 XVII.

$C_{17}H_{12}O$. α-Naphthophenone. *Kohler* and *Reimer*..... 351
$C_{17}H_{14}O$. Dibenzalacetone. *Kohler* and *Heritage*..... 30
$C_{17}H_{16}O_3$. Benzhydrol acetoacetate. *Bacon*..... 80
$C_{17}H_{18}O$. Diphenylmethyl butenol. *Kohler* and *Heritage* 162
$C_{17}H_{18}O_2$. Benzhydrol isobutyrate. *Bacon*..... 88
$C_{17}H_{18}O_2$. 1-Dimethyl-2-diphenylpropionic acid. *Bacon* 89
$C_{17}H_{18}O_2$. Diphenylpropionic ester. *Kohler* and *Johnstin*..... 43

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3 XVII.

$C_{17}H_{17}ON$. Cinnamyl ethyl anilide. *Kohler* and *Heritage*..... 31
$C_{17}H_{17}O_2Br$. α-Brom-β,β-diphenylpropionic ester. *Kohler* and *Johnstin*..... 40
$C_{17}H_{17}O_2N$. β,γ-Diphenylethylmalonic monamide. *Kohler* and *Reimer*..... 354
$C_{17}H_{38}IAs$. Ethyl triisoamyl arsonium iodide. *Dehn*..... 146

C_{18}-GROUP.

$C_{18}H_{32}$. Hydrocarbon from petroleum. *Mabery*..... 272

2 XVIII.

$C_{18}H_{16}O_4$. Phenoquinone. *Torrey* and *Hardenbergh*..... 168

3 XVIII.

$C_{18}H_{16}O_2N$. Ethyl α,α-bromcyan-β,β-diphenylpropionate. *Kohler* and *Reimer*..... 342
$C_{18}H_{17}O_2N$. Ethyl α-cyan-β,β-diphenylpropionate. *Kohler* and *Reimer*..... 339

5 XVIII.

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C_{19}-GROUP.

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2 XIX.

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3 XIX.

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2 XX.

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3 XX.

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$C_{20}H_{17}O_3N$. Naphthylphenylmethylmalonic monamide. *Kohler* and *Reimer* 350

5 XX.

$C_{20}H_{22}O_2N_6Cl_6Pt$. 2-Oxy-6-anilinopyrimidine chlorplatinate. *Wheeler* and *Bristol* 459

C_{21}-GROUP.

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3 XXI.

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$C_{21}H_{33}IAs$. Phenyl triisoamyl arsonium iodide. *Dehn* 152

C_{22}-GROUP.

$C_{22}H_{42}$. Hydrocarbon from petroleum. *Mabery* and *Palm* 256

2 XXII.

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3 XXII.

$C_{23}H_{19}O_2N$. Ethyl α-cyan-β,β-naphthylphenylpropionate. *Kohler* and *Reimer*..... 349
$C_{23}H_{19}O_2Br$. Triphenylbrompropionic ester. *Kohler* and *Heritage*..... 158

4 XXII.

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$C_{23}H_{48}$. Tricosane. *Mabery*..... 286

2 XXIII.

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3 XXIII.

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4 XXIII.

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4 XXIV.

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$C_{25}H_{46}$. Hydrocarbon from petroleum. *Mabery* and *Palm* 262
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2 XXV.

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$C_{26}H_{22}O$. Benzhydrol ether. *Bacon* 84
$C_{26}H_{22}O$. Benzhydrol ether. *Kohler* and *Reimer* 347
$C_{26}H_{22}O_2$. Benzpinacone. *Acree* 190
$C_{26}H_{22}O_2$. Methyl naphthyldiphenylpropionate. *Kohler* and *Heritage* 160

3 XXVI.

$C_{26}H_{18}O_7S_2$. Diphenylsulphoneorthocarboxylic anhydride. *Weedon* and *Doughty* 413

4 XXVI.

$C_{26}H_{18}O_8S_2Ba$. Barium *p*-phenylsulphidebenzoate. *Weedon* and *Doughty* 425
$C_{26}H_{18}O_6S_2Ba$. Barium diphenylsulphoxideorthocarboxylate. *Weedon* and *Doughty* 397
$C_{26}H_{18}O_6S_2Ca$. Calcium diphenylsulphoxideorthocarboxylate. *Weedon* and *Doughty* 398

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$C_{26}H_{18}O_8S_2Ca$. Calcium diphenylsulphoneorthocarboxylate. *Weedon* and *Doughty*..... 405
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5 XXVI.

$C_{26}H_{18}O_{10}N_2S_2Ba$. Barium mononitrodiphenylsulphoxideorthocarboxylate. *Weedon* and *Doughty*..... 401

C_{27}-GROUP.

$C_{27}H_{46}$. Hydrocarbon from petroleum. *Mabery*..... 274

C_{28}-GROUP.

$C_{28}H_{26}$. *s*-Tetraphenylbutane. *Bacon*..... 93
$C_{28}H_{58}$. Octocosane. *Mabery*..... 289

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$C_{28}H_{24}O$. Benzhydrol β,β-diphenylpropionate. *Bacon*..... 83
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$C_{28}H_{26}O_2$. *s*-Diphenyldi-*p*-tolylpinacone. *Acree*..... 189
$C_{28}H_{26}O_2$. Tetraphenyltetramethylene glycol. *Acree*..... 191

C_{29}-GROUP.

$C_{29}H_{50}$. Hydrocarbon from petroleum. *Mabery*..... 275
$C_{29}H_{60}$. Nonocosane. *Mabery*..... 289

C_{31}-GROUP.

$C_{31}H_{64}$. Hentricontane. *Mabery* and *Sieplein*..... 281

3 XXXI.

$C_{21}H_{27}O_2N$. Product of the reaction of acetylchloride on the addition product of phenylmagnesium bromide with ethylcyancinnamate. *Kohler* and *Reimer* 346

C_{22}-GROUP.

$C_{22}H_{66}$. Dotricontane. *Mabery* and *Sieplein* 282

3 XXXII.

$C_{33}H_{36}N_4O_6$. Bilirubin. *Orndorff* and *Teeple* 215

C_{34}-GROUP.

$C_{34}H_{70}$. Tetratricontane. *Mabery* and *Sieplein* 284

C_{35}-GROUP.

$C_{35}H_{72}$. Pentatricontane. *Mabery* and *Sieplein* 285

C_{36}-GROUP.

$C_{36}H_{37}O_6N_6Br_3$. Bilirubinazotribrombenzene. *Orndorff* and *Teeple* 243

C_{40}-GROUP.

$C_{40}H_{42}O_7N_6$. Bilirubinazoacetophenone. *Orndorff* and *Teeple* ... 248

C_{44}-GROUP.

$C_{44}H_{38}O_6N_6Br_6$. Bilirubindisazotribrombenzene. *Orndorff* and *Teeple* 241

C_{48}-GROUP.

$C_{48}H_{46}O_8N_8$. Bilirubindisazoacetophenone. *Orndorff* and *Teeple* 247

ERRATA.

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Page.	Line.	
620	45	for "Lehner" read "Lenher."
620	51	" "Lehner" read "Lenher."
630	40	" "Lehner" read "Lenher."

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28	13	" "styril" read "styryl."
38	19	" "styril" read "styryl."
191	5	" "benzsilicate" read "benzilate."
183	note 1	" "**298**, 310" read "**298–310.**"
285	30	" "$C_{34}H_{66}$" read $C_{34}H_{70}$."
336	7	" "$C_6H_5CHC(OC_2H_5)(OMgBr)$	R CN(OMgBr)(OC$_2$H$_5$)" read "$C_6H_5CHC(OC_2H_5)(OMgBr)$ | RCN."
341	23	" "$C_{18}H_{18}O$" read "$C_{18}H_{15}ON$."
343	16	" "diphenylcinnamic" read "phenylcinnamic."
343	17	" "diphenyl" read "phenyl."
343	37	" "diphenyl" read "phenyl."
344	4	" "diphenyl" read "phenyl."
344	5	" "diphenyl" read "phenyl."
356	2	" "Ethyl Cyandiphenylbutyrate" read "Ethyl 1,3-diphenyl-4-cyan-1-pentinate."
413	5	" "68.64" read "61.64."
498	14	" "$C_9H_{18}N$" read "$C_9H_{13}N$."
520	3	" "überträgen" read "übertragen."
526	38	" "esterifys very readily" read "is readily esterified."
542	6	" "comes" read "come."